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AMFQDPQER (residues 7-15 of HPV16 protein E6) (SEQ ID NO:1)
KLPQLCTEL (residues 18-26 of HPV16 protein E6) (SEQ ID NO:2)
QLCTELQTT (residues 21-29 of HPV16 protein E6) (SEQ ID NO:3)
LCTELQTTI (residues 22-30 of HPV16 protein E6) (SEQ ID NO:4)
ELQTTIHDII (residues 25-33 of HPV16 protein E6) (SEQ ID NO:5)
LQTTIHDI (residues 26-34 of HPV16 protein E6) (SEQ ID NO:6)
TIHDIILEC (residues 29-37 of HPV16 protein E6) (SEQ ID NO:7)
IHDIILECV (residues 30-38 of HPV16 protein E6) (SEQ ID NO:8)
CVYCKQQLL (residues 37-45 of HPV16 protein E6) (SEQ ID NO:9)
FAFRDLCIV (residues 52-60 of HPV16 protein E6) (SEQ ID NO:10)
KISEYRHYC (residues 79-87 of HPV16 protein E6) (SEQ ID NO:11)
PLCDLLIRC (residues 102-110 of HPV16 protein E6) (SEQ ID NO:12)
TLHEYMLDL (residues 7-15 of HPV16 protein E7) (SEQ ID NO:13)
YMLDLQPET (residues 11-19 of HPV16 protein E7) (SEQ ID NO:14)
MLDLQPETT (residues 12-20 of HPV16 protein E7) (SEQ ID NO:15)
RLCVQSTHV (residues 66-74 of HPV16 protein E7) (SEQ ID NO:16)
TLEDLLMGT (residues 78-86 of HPV16 protein E7) (SEQ ID NO:17)
LLMGTLGIV (residues 82-90 of HPV16 protein E7) (SEQ ID NO:18)
D GTLGIVCPI (residues 85-93 of HPV16 protein E7) (SEQ ID NO:19) and
Tlgivcpic (residues 86-94 of HPV16 protein E7) (SEQ ID NO:20),
and

D a fragment, homolog, isoform, derivative, genetic variant
and/or conservative variant of any one of these amino acid sequences
which has the ability to bind to human MHC Class I allele HLA-
A2.1--

D --6. (Amended) A peptide according to claim ²⁵ 1, comprising an
amino acid sequence derived from protein E6 or E7 of HPV18,
wherein said amino acid sequence has the ability to bind to human
MHC Class I allele HLA-A2.1 and is selected from the group
consisting of:
KLPDLCTEL (residues 13-21 of HPV18 protein E6) (SEQ ID NO:21)
SLQDIEITC (residues 24-32 of HPV18 protein E6) (SEQ ID NO:22)
LQDIEITCV (residues 25-33 of HPV18 protein E6) (SEQ ID NO:23)
EITCVYCKT (residues 29-37 of HPV18 protein E6) (SEQ ID NO:24)

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- KTVLELTERV (residues 36-44 of HPV18 protein E6) (SEQ ID NO:25)
ELTEVFEFA (residues 40-48 of HPV18 protein E6) (SEQ ID NO:26)
FAFKDLFVV (residues 47-55 of HPV18 protein E6) (SEQ ID NO:27)
DTLEKLTNT (residues 88-96 of HPV18 protein E6) (SEQ ID NO:28)
LTNTGLYNL (residues 93-101 of HPV18 protein E6) (SEQ ID NO:29)
TLQDIVLHL (residues 7-15 of HPV18 protein E7) (SEQ ID NO:30)
FQQLFLNLT (residues 86-94 of HPV18 protein E7) (SEQ ID NO:31)
QLFLNLTLSF (residues 88-96 of HPV18 protein E7) (SEQ ID NO:32)
D LFLNLTLSFV (residues 89-97 of HPV18 protein E7) (SEQ ID NO:33) and
LSFVCPWCA (residues 94-102 of HPV18 protein E7), (SEQ ID NO:34),
and
D a fragment, homolog, isoform, derivative, genetic variant
or conservative variant of any one of these amino acid sequences
which has the ability to bind to human MHC Class I allele HLA -
A2.1.--

D --8. (Amended) A peptide according to claim ²⁵₁₄, comprising an
amino acid sequence derived from protein E6 and E7 of HPV16,
wherein said amino acid sequence has the ability to bind to human
MHC Class I allele HLA-A1 and is selected from the group
consisting of:

- B2 YRDGNPYAV (residues 61-69 of HPV16 protein E6) (SEQ ID NO:35)
WTGRCMSCC (residues 139-147 of HPV16 protein E6) (SEQ ID NO:36)
MSCCRSSRT (residues 144-152 of HPV16 protein E6) (SEQ ID NO:37)
TTDLYCYEQ (residues 19-27 of HPV16 protein E7) (SEQ ID NO:38)
D EIDGPAGQA (residues 37-45 of HPV16 protein E7) (SEQ ID NO:39) and
HVDIRTLED (residues 73-81 of HPV16 protein E7), (SEQ ID NO:40),
and

a fragment, homolog, isoform, derivative, genetic variant
or conservative variant of any one of these amino acid sequences
which has the ability to bind to human MHC Class I allele HLA-
A1.--

B3 --10. (Amended) A peptide according to claim ²⁵₁₄, comprising an
amino acid sequence derived from protein E6 or E7 of HPV16,

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wherein said amino acid sequence has the ability to bind to human MHC Class I allele HLA-A3.2 and is selected from the group consisting of:

AMFQDPQER (residues 7-15 of HPV16 protein E6) (SEQ ID NO:1)
b3
IILECVYCK (residues 33-41 of HPV16 protein E6) (SEQ ID NO:41)
CVYCKQQLL (residues 37-45 of HPV16 protein E6) (SEQ ID NO:9)
VYCKQQLLR (residues 38-46 of HPV16 protein E6) (SEQ ID NO:42)
QQLLRREVY (residues 42-50 of HPV16 protein E6) (SEQ ID NO:43)
IVYRDGNPY (residues 59-67 of HPV16 protein E6) (SEQ ID NO:44)
YAVCDKCLK (residues 67-75 of HPV16 protein E6) (SEQ ID NO:45)
AVCDKCLKF (residues 68-76 of HPV16 protein E6) (SEQ ID NO:46)
VCDKCLKFY (residues 69-77 of HPV16 protein E6) (SEQ ID NO:47)
KFYSKISEY (residues 75-83 of HPV16 protein E6) (SEQ ID NO:48)
KISEYRHYC (residues 79-87 of HPV16 protein E6) (SEQ ID NO:11)
ISEYRHHCY (residues 80-88 of HPV16 protein E6) (SEQ ID NO:49)
RHYCYSLYG (residues 84-92 of HPV16 protein E6) (SEQ ID NO:50)
SLYGTTLEQ (residues 89-97 of HPV16 protein E6) (SEQ ID NO:51)
TTLEQQYNK (residues 93-101 of HPV16 protein E6) (SEQ ID NO:52)
QQYNKPLCD (residues 97-105 of HPV16 protein E6) (SEQ ID NO:53)
LIRCINCQK (residues 107-115 of HPV16 protein E6) (SEQ ID NO:54)
HLDKKQRFH (residues 125-133 of HPV16 protein E6) (SEQ ID NO:55)
CMSCCRSSLR (residues 143-151 of HPV16 protein E6) (SEQ ID NO:56)
SCCRSSRTR (residues 145-153 of HPV16 protein E6) (SEQ ID NO:57)
CCRSSRTRR (residues 146-154 of HPV16 protein E6) (SEQ ID NO:58)
HYNIVTFCC (residues 51-59 of HPV16 protein E7) (SEQ ID NO:59)
YNIVTFCCCK (residues 52-60 of HPV16 protein E7) (SEQ ID NO:60) and
CCKCDSTILR (residues 58-66 of HPV16 protein E7) (SEQ ID NO:61)
KCDSTLRLC (residues 60-68 of HPV16 protein E7), (SEQ ID NO:62),
and

D *and* a fragment, homolog, isoform, derivative, genetic variant or conservative variant of any one of these amino acid sequences which has the ability to bind to human MHC Class I allele HLA-A3.2--

D *and* --12. (Amended) A peptide according to claim ⁵₁, comprising an

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amino acid sequence derived from protein E6 or E7 of HPV16, wherein said amino acid sequence has the ability to bind to human MHC Class I allele HLA-A11.2 and is selected from the group consisting of:

AMFQDPQER (residues 7-15 of HPV16 protein E6) (SEQ ID NO:1)
b4
IILECVYCK (residues 33-41 of HPV16 protein E6) (SEQ ID NO:41)
CVYCKQQLL (residues 37-45 of HPV16 protein E6) (SEQ ID NO:9)
VYCKQQLLR (residues 38-46 of HPV16 protein E6) (SEQ ID NO:42)
QQLLRREVY (residues 42-50 of HPV16 protein E6) (SEQ ID NO:43)
IVYRDGNPY (residues 59-67 of HPV16 protein E6) (SEQ ID NO:44)
YAVCDKCLK (residues 67-75 of HPV16 protein E6) (SEQ ID NO:45)
AVCDKCLKF (residues 68-76 of HPV16 protein E6) (SEQ ID NO:46)
VCDKCLKFY (residues 69-77 of HPV16 protein E6) (SEQ ID NO:47)
KISEYRHYC (residues 79-87 of HPV16 protein E6) (SEQ ID NO:11)
ISEYRHYCY (residues 80-88 of HPV16 protein E6) (SEQ ID NO:49)
LIRCINCQK (residues 107-115 of HPV16 protein E6) (SEQ ID NO:54)
TGRCMSCCR (residues 140-148 of HPV16 protein E6) (SEQ ID NO:63)
CMSCCRSSR (residues 143-151 of HPV16 protein E6) (SEQ ID NO:56)
SCCRSSRTR (residues 145-153 of HPV16 protein E6) (SEQ ID NO:57)
HYNIVTFCC (residues 51-59 of HPV16 protein E7) (SEQ ID NO:59)
D
YNIVTFCCCK (residues 52-60 of HPV16 protein E7) (SEQ ID NO:60) *and*
CCKCDSTLR (residues 58-66 of HPV16 protein E7) (SEQ ID NO:61)
VCPICSQKP (residues 90-98 of HPV16 protein E7), (SEQ ID NO:64),

and

a fragment, homolog, isoform, derivative, genetic variant or conservative variant of any one of these amino acid sequences which has the ability to bind to human MHC Class I allele HLA-A11.2--

b5
D
--14. (Amended) A peptide according to ^{Claim 25} ~~claim 1~~, comprising an amino acid sequence derived from protein E6 or E7 of HPV16, wherein said amino acid sequence has the ability to bind to human MHC Class I allele HLA-A24 and is selected from the group consisting of:

MHQKRTAMF (residue 1-9 of HPV16 protein E6) (SEQ ID NO:65)

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LQTTIHDDII (residues 26-34 of HPV16 protein E6) (SEQ ID NO:6)

VYCKQQLLR (residues 38-46 of HPV16 protein E6) (SEQ ID NO:42)

LLRREVYDF (residues 44-52 of HPV16 protein E6) (SEQ ID NO:66)

VYDFAFRDL (residues 49-57 of HPV16 protein E6) (SEQ ID NO:67)

PYAVCDKCL (residues 66-74 of HPV16 protein E6) (SEQ ID NO:68)

KCLKFYISKI (residues 72-80 of HPV16 protein E6) (SEQ ID NO:69)

EYRHHCYSL (residues 82-90 of HPV16 protein E6) (SEQ ID NO:70)

HYCYSLYGT (residues 85-93 of HPV16 protein E6) (SEQ ID NO:71)

CYSLYGTTL (residues 87-95 of HPV16 protein E6) (SEQ ID NO:72) and

RFHNIRGRW (residues 131-139 of HPV16 protein E6) (SEQ ID NO:73)

RAHYNIVTF (residues 49-57 of HPV16 protein E7), (SEQ ID NO:74),

and

a fragment, homolog, isoform, derivative, genetic variant or conservative variant of any one of these amino acid sequences which has the ability to bind to human MHC Class I allele HLA-A24. --